Contents of Volume 171

Obituary V

Research Articles

E.M. Cunningham, M.D. Guiry and A.M. Breeman (Ireland, The Netherlands)
Environmental regulation of development, life history and biogeography of *Helminthora stackhousei* (Rhodophyta) by daylength and temperature 1

W.E. Zamer and R.J. Hoffmann (USA)
Pyruvate metabolism in laboratory-acclimated and freshly collected sea anemones, *Metridium senile* L. 23

S.Y. Newell and F. Bärlocher (USA, Canada)
Removal of fungal and total organic matter from decaying cordgrass leaves by shredder snails 39

C.A. Moreno, A. Reyes and G. Asencio (Chile)
Habitat and movements of the recruits of *Concholepas concholepas* (Mollusca; Muricidae) in the rocky intertidal of southern Chile 51

J.E. Cartes, F. Sardà, J.B. Company and J. Lleonart (Spain)
Day-night migrations by deep-sea decapod crustaceans in experimental samplings in the Western Mediterranean sea 63

I.-Y. Ahn (South Korea)
Enhanced particle flux through the biodeposition by the Antarctic suspension-feeding bivalve *Laternula elliptica* in Marian Cove, King George Island 75

L. Barillé, J. Prou, M. Héral and S. Bourgrier (France)
No influence of food quality, but ration-dependent retention efficiencies in the Japanese oyster *Crassostrea gigas* 91

S. Matsakis (France)
Growth of *Clytia* spp. hydromedusae (Cnidaria, Thecata): effects of temperature and food availability 107

S.S. Mingoa-Licuanan (Australia)
Oxygen consumption and ammonia excretion in juvenile *Tridacna gigas* (Linne, 1758): effects of emersion 119

Book Reviews

Physiology and Form of Fish Circulation 139

Oceanography and Marine Biology: An Annual Review 140

Dunaliella: Physiology, Biochemistry, and Biotechnology 142

Advances in Marine Biology 144

Publisher's Announcement 147

Research Articles

F. Micheli (Australia)
Effect of mangrove litter species and availability on survival, moulting, and reproduction of the mangrove crab *Sesarma messa* 149

F. Micheli (Australia)
Feeding ecology of mangrove crabs in North Eastern Australia: mangrove litter consumption by *Sesarma messa* and *Sesarma smithii* 165

W.R. Davis (USA)
The role of bioturbation in sediment resuspension and its interaction with physical shearing 187

D.M. Alongi, P. Christoffersen and F. Tirendi (Australia)
The influence of forest type on microbial-nutrient relationships in tropical mangrove sediments 201

D.J. Marshall and C.D. McQuaid (South Africa)
Differential physiological and behavioural responses of the intertidal mussels, *Choromytilus meridionalis* (Kr.) and *Perna perna* L., to exposure to hypoxia and air: a basis for spatial separation 225

P. Cantillana and N.C. Inestrosa (Chile)
Presence of an heparin-binding growth factor in *Concholepas concholepas* Bruguiere (Mollusca; Gastropoda; Muricidae) 239

R. Dame and S. Libes (USA)
Oyster reefs and nutrient retention in tidal creeks 251

P. Fong and J.B. Zedler (USA)
Temperature and light effects on the seasonal succession of algal communities in shallow coastal lagoons 259

D.L. Grant, P.J. Clarke and W.G. Allaway (Australia)
The response of grey mangrove (*Avicennia marina* (Forsk.) Vierh.) seedlings to spills of crude oil 273

Book Reviews

Otolith Microstructure Examination and Analysis 297

Crustacean Sexual Biology 298

Fish Ecophysiology 300

Author Index of Volume 171 303

Contents of Volume 171 305

Publisher's Announcement 307